

05/04/01



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05-07-01

A

**Schlumberger**



Via Express Mail EL442087057US

May 4, 2001

Assistant Commissioner for Patents  
Box NEW PATENT APPLICATION  
Washington, D.C. 20231

Re: New Patent of:  
Igor Igorevitch **DIAKONOV**, Alexander Vladimirovitch **ZOTOV**  
Igor Nikolaevitch **SOLODOV**, Evgenii Grigorevitch **OSADCHII**, and  
Alexander D. **KHOTEV**  
entitled, "**Potentiometric Sensor for Wellbore Applications**"  
(Our Reference No. 57.0386)

Sir,

Enclosed for filing in the U.S. Patent and Trademark Office is the above-identified new patent application, which includes 17 pages of text, 2 pages of claims (1-12), Abstract, 9 sheets of drawings (Figs 1-14), an unexecuted Declaration, and United Kingdom Priority Document No. 0011965.1, filed 18 May 2000.

The filing fee is calculated as follows:

Basic Filing Fee	\$ 710.00
Total Claims = <u>12</u>	
Excess over 20 = <u>0</u> X \$18.00	
Independent Claims = <u>2</u>	
Excess over 3 = <u>0</u> X \$80.00	
Total Fees	<b>\$710.00</b>

It is respectfully requested that a filing date bearing today's date be assigned to this application in accordance with 37 CFR §§1.10, and 37 CFR §§1.53, which permits express mail filing and late filing of the oath or declaration, respectively.

The Commissioner is hereby authorized to charge Deposit Account Nº. 19-0615 in the amount of **\$710.00** to cover the above-calculated fees and any other filing fees that may be required under 37 C.F.R. §1.16. Should this amount be incorrect, the Commissioner is hereby authorized to charge or credit any deficiency or overpayment to Deposit Account Nº. 19-0615

Two copies of this transmittal letter are enclosed for PTO accounting use.

Respectfully submitted,

By

  
William B. Batzer

Registration No. 37,088

TECHNOLOGY CORPORATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	)	
	)	
Igor Igorevitch <b>Diakonov</b> ,	)	
Alexander Vladimirovitch <b>Zotov</b>	)	
Igor Nikolaevitch <b>Solodov</b>	)	
Evgenii Grigorevitch <b>Osadchii</b> , and	)	
Alexander D. <b>Khoteev</b>	)	
	)	
Serial N°: To be Assigned	)	Group Art Unit:
	)	
Filed: May 4, 2001	)	
	)	
For: POTENTIOMETRIC SENSOR FOR	)	File: 57.0386
WELLBORE APPLICATIONS	)	

**EXPRESS MAIL CERTIFICATE  
UNDER 37 CFR §1.10**

Assistant Commissioner for Patents  
Box NEW PATENT APPLICATION  
Washington, D.C. 20231

Sir:

Express Mail Label Number: EL442087057US

Date of Deposit: May 4, 2001

I hereby certify that the attached application papers are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

(Signature)  
(Print Name)



C. KLOSS

Schlumberger-Doll Research  
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00442087057US

# PATENT APPLICATION

## POTENTIOMETRIC SENSOR FOR WELLBORE APPLICATIONS

### Inventors:

**DIAKONOV, Igor Igorevitch**, a citizen of Russia, residing at 36 St. Stephen's Place, Cambridge CB3 0JE, United Kingdom;

**ZOTOV, Alexander Vladimirovitch**, a citizen of Russia, residing at Flat 78, Building 38/1, Znamenskaya Street, 107392, Moscow, Russia;

**SOLODOV, Igor Nikolaevitch**, a citizen of Russia, residing at Flat 209, Building 13/2, Svobodi Street, 123362 Moscow, Russia;

**OSADCHIL, Evgenii Grigorevitch**, a citizen of Russia, residing at 4A, Apartment 31, Centralnaya Street, Chernogolovka, 142432, Moscow, Russia; and

**KHOTEEV, Alexander D.**, a citizen of Russia, residing at Apartment 60, Veshnyakovskaya Street, Moscow, 111539, Russia.

### Priority Information:

UK Patent Application No. 0011965.1, filed 18 May 2000.

### Assignee:

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